# INDEX TO VOLUME 3 Authors

Abber JC, 56 Abramson NS, 82, 569 Adler P. 321 Albertson TE, 33, 266, 481 Alvarez J. 24 Angelos MG, 263 Anshus JS, 316 Applebaum D, 15 Aparahamian C, 143, 187 Ardire A, 190 Ashton JJ, 83, 482 Askenasi R, 78, 206 Atlas M. 147 Auerbach PS, 381 Aufderheide TP, 331 Aw TC, 236

Babbs CF, 84, 99, 165, 174, 247, 337, 360, 461 Baker EB, 182 Baraff LJ, 419, 480 Baran C. 292 Basior J, 352 Baxt WG, 369 Beck CL, 395, 498, 503 Behrendt R. 586 Belani K, 305 Benowitz NA, 386 Best R, 48 Binder LS, 371 Birnbaum PS, 259, 576 Bodkin D, 212 Bogetz MS, 381 Bonefeld R, 203 Bragg S, 147 Brautigan M, 311 Bredthauer JL, 137 Brenner BE, 74 Brett S. 199 Brown CG, 67, 83, 125, 193, 467, 482, 577

Caravati M, 408 Carden DL, 120, 495 Checcio LM, 524 Chilton J, 340 Christoffel KK, 177, 327 Cicero JJ, 331 Cohan JA, 524 Cohan SL, 212, 507 Cohen DN, 371 Cohen LM, 477 Collins MS, 498 Contu E, 206 Coyne MR, 395, 498, 503 Crampton RS, 104 Crosby IK, 104 Cummins RO, 114, 171, 485, 568 Curry SC, 227

Dagi TF, 340 Dalsey WC, 108 Darin JC, 143, 187 Daye MC, 129 Deford JA, 337 Donovan JW, 576 Don Michael TA, 261 Doris PE, 263 D'Orta J, 212 Dunford JV, 369

Early SH, 27 Edmonds HL, 150 Eisenberg MS, 114, 568 Eliastem M, 536 Ellis P, 199 Ellison MJ, 408 Endahl GL, 316 Epstein E, 556 Ewy GA, 11, 147, 285

Farmer TA Jr, 244
Fastow J, 571
Feldman KW, 38
Fenwick J, 564
Fisher CJ, 33, 266, 481
Fleisher G, 190, 305, 403
Foley KA, 579
Foreback CC, 120
Folke GE, 33, 217, 266, 481
Frascone RJ, 331
Freitas PM, 456

Garside D. 177 Gatrell CB. 263 Geddes LA, 337 Geehr EC, 381 Ginaldi S, 64, 371 Gold I, 419 Goldstein RM, 190 Gonzalez ER, 137, 395, 498, 503 Goodenberger D, 240, 531 Goodwin L, 551 Griffith LD, 369 Gruber SL. 369 Grufferman S, 24 Gruzinski G, 482 Gurley HT, 193 Guss DA, 46, 369, 575

Hageman JR, 534
Hallstrom AP, 114
Hammer LD, 301
Harrell RE, 415
Haughey L, 419
Hedberg M, 400
Hedges JR, 108
Hendricksen DK, 203
Henretig F, 190, 301
Henry M, 334
Henze HM, 576
Herbaut AG, 206
Hess D, 292
Hirsch BE, 512

Hodge D III, 403 Hudson P, 160 Hutchins GM, 193

Janiak BD, 578 Janssen PAJ, 150 Jastremski MS, 129 Jones K. 575

Iserson KV, 358

Kahn RJ, 206

Kang R, 42 Karcher RE, 556 Kaye MM, 334 Kaye W, 31, 479 Kelen GD, 67 Kelley MT, 280 Kern KB, 147 Kerr JT, 564 Kicklighter EJ, 108 Kidwell KG, 92 Kiechle FL, 236, 556 Kiskaddon RT, 479 Klein J. 320 Klein-Schwartz W, 476 Kline P. 551 Kougias C, 132 Krueger KA, 408 Kuehl A, 564 Kulia K. 573 Kunkel DB, 227

Lake CL, 104
Langkau JF, 265
Lelyveld SS, 534
Levine R, 569
Litovitz GL, 400
Litovitz TL, 297, 423, 579
Litwin PE, 114
Loon JV, 150
Lowe MW, 99
Ludwig S, 190, 301
Lumpkin JR, 240

MacDonald JR, 482 Mace SE, 543 MacKenzie EJ, 193 Mahieux P, 206 Mancini ME. 31, 479 Mann LS. 400 Manoguerra AS, 46 Marcus SM, 412 Martin GB, 120, 495 Mateer JR, 187 Mayer G. 42 McAninch JW, 56 McCabe CJ, 374 McCabe JB, 263 McDonald JL, 156 McKinney HE, 320 Melis W, 150 Mitton J, 352 Moeschberger ML, 67, 467 Montgomery GF, 129 Morkunas AR, 395, 503 Morray JP, 38 Morris D, 24 Moser M, 67 Mottley JL, 316 Muller HA, 240

Nelson RN, 586 Neuman TS, 369 Noesges RA, 265 Nolan SP, 104 Normann SA, 46 Notterman D, 481 Nowak RM, 48, 120, 495

Ogle M, 11 Olson CM, 129 Olson KR, 210, 320, 386 Ornato JP, 137, 395, 498, 503 Osterloh J, 210 Ott JE, 199 Ottinger WE, 519 Otto CW. 285

Paris PM, 323 Pelton GH, 323 Peterson LG, 477 Podolsky SM, 541 Pond SM, 386 Porter G, 323 Porter RS, 182

Ralston SH, 132, 247 Rosen RA, 19 Rubin L, 160 Ruddy R, 190 Rund DA, 92, 280, 482, 586 Ruthman JC, 203 Ryschon TW, 137

Safar P, 569 Sagy M, 305 Sanders AB, 11, 147 Sanzo A, 323 Sawyer WT, 408 Schaerdel AD, 519 Schaller RT, 38 Schmitz P. 132 Schoenlein WE, 99 Schwartz AC, 1, 480 Sellers TD, 104 Servi R, 208 Shaffer MA, 263 Shea SR, 482 Shesser R, 199, 451, 551 Showen L, 132 Silverston PP, 531 Skiendzielewski JJ, 208 Slater PE, 372 Smith M, 199, 451 Smith RW, 129 Soderstrom C, 27

Stair TO, 512 Starke H, 503 Sternbach GL, 479, 536 Stewart RD, 323 Stoy WA, 240 Stueven HA, 143 Sugimoto T, 79, 252, 364 Sutnik Al, 240 Swedlow DB, 305 Swedlow DB, 305 Swedo SE, 534 Syverud SA, 48, 108

Tacker MM, 360 Tacker WA, 132, 174 Tani A, 210 Taylor RL, 507
Ten Eyck RP, 519
Thompson BM, 81, 143, 187, 372
Tietz G, 311
Tokich T, 177
Tomlanovich MC, 120, 495
Torrey SB, 190
Tucker J, 187

Van Der Bel-Kahn JM, 108 Van Der Broeck WAE, 150 Veltri JC, 423 Viccellio P. 334

Tyndall GJ, 129

Vilogi J, 412 Vcgel S, 352

Voorhees WD, 132, 337

Wald P, 481 Walter JJ, 263 Walters BL, 578 Waninger K, 541 Waquier A, 150 Weisenfeld MS, 556 Wellons HA, 104

Werman HA, 92, 280, 482 Wertheimer J, 541 Whitaker GR, 415 White BC, 84

White JD, 88, 125, 193, 212, 260, 297, 368, 400, 507, 578

Whitehead B, 412 Williams JA, 467 Winger B, 369 Wise TN, 400 Wogan JM, 27 Woo OF, 386 Wortzman D, 481

Yakaitis RW, 285 Yin L, 210 Yoshioka T, 79, 252, 364

# INDEX TO VOLUME 3 Subjects

AAPCC, see American Association of Poison Control Centers Abbott J, Gifford M, Rosen P, Protocols for Prehospital Emergency Care, 2nd edition (book review), 585

Abdominal counterpulsations, see interposed abdominal compressions

Academic health center(s), trauma center(s) in, 244

Acid, lactic, prediction of downtime in cardiopulmonary arrest with, 120

Acidosis, cardiac arrest and, 498 theophylline overdose causing, 408

Activated charcoal, use in the treatment of drug overdose(s) (journal club), 280

Acute medicine, in Japan, 364

Adult respiratory distress syndrome, rattlesnake bite causing, 227

Advanced life support, Second International Urban EMS Conference and, 564

Airway, obstruction of, epiglottitis causing, 534, 543 supraglottitis causing, 512

Airway management, in resuscitation (letter), 482

pre-hospital methods for, 381 Alkali, esophageal burn(s) from, 320

Alkalies, corrosive injury caused by, 412

Alkaline phosphatase, assessment of choledocholithiasis before surgery with, 556

Altitude-related illness, overview of, 217

American Association of Poison Control Centers, 1984 annual report of, 423

American College of Emergency Physicians, academics and (editorial), 368

medical education and (letter), 578

American Heart Association, guidelines for cardiopulmonary resuscitation, 31

Ammonia, household, caustic injury from, 320

Amnesia, transient global, diagnosis in the emergency department of 352

Anaerobic myonecrosis, see gas gangrene

Angina pectoris, gastrointestinal cocktail in the relief of, 208
Angiography, indications in thoracic trauma for (journal club),

Antibiotics, prophylactic use in dog bites of, 19

Antipyretic(s), temperature response of children to therapy with, 190

Arrest, cardiac, calcium blockers in neurological recovery after (letter), 480

cardiopulmonary, use of endotracheal tube and esophageal gastric tube airway in, 381

circulatory, use of FUT-175 in (abstract), 366

Arrhythmia(s), ventricular tachycardia, treatment of, 536

Arteriovenous pressure difference, IAC-CPR and, 165

Arteritis, cranial, 212

Artificial respiration, see respiration, artificial

Aspirin, pediatric overdose with, 33

Asthma, acute, decision to admit or discharge patients with,

Fischl index and, 74

treatment in the emergency department of patients with, 74

Asystole, immediate transthoracic cardiac pacing for, 125 use of atropine in treatment of, 395

use of calcium chloride in treatment of, 395

use of electrical countershock in treatment of, 395 use of epinephrine in treatment of, 395

Atrial flutter, conjunctival oxygen monitoring and, 541 Atropine, use in treatment of asystole of, 395

Bacteremia, occult, diagnosis of, 190

effect on response of children to antipyretic therapy, 190 Bacteria, ambient, elimination from critical-care ward of

(abstract), 366
Basic life support, Second International Urban EMS
Conference and, 564

Batteries, ingestion of (abstract), 474 alkali burns caused by (letter), 265

Belgium, emergency hospital infrastructure in, 78

Benzodiazepine, trivial overdose with, 210

Bilirubin, choledocholithiasis and, 556

Blood, whole, see whole blood

Blood flow, cerebral, measurement during cardiopulmonary resuscitation of, 150

coronary, IAC-CPR and, 156

Blood gases, use in the assessment of cardiopulmonary resuscitation, 132

Blood pressure, reliability of monitoring method in transport (abstract), 474

high, see hypertension

Botulism, type A, emergency department presentation of, 203 Boyd DR, Edlich RF, Micik S, Systems Approach to Emergency Medical Care (book review), 494

Broad W, Wade N, Betrayers of the Truth: Fraud and Deceit in the Halls of Science (book review), 90

Burn(s), chemical, oven-cleaner pads causing, 412 contact, hot-pack application causing, 38 esophageal, 320

Calcium blockers, in cardiac arrest, 1

magnesium sulfate, 1

neurological recovery after cardiac arrest with, 1 neurological recovery after cardiac arrest with (letter), 480 verapamil, 1

Calcium channel blocker(s), nifedipine, use in hypertensive emergencies of, 524

Calcium chloride, reversal of cardiogenic shock using, 334 use in treatment of asystole of, 395

Cardiac arrest, acidosis and, 498

Fifth Purdue Conference and (editorial), 171

neurological recovery after, 1

flunarizine in, 150

out-of-hospital, early cardiopulmonary resuscitation and, 114

survival from, 114

paramedic response time to, 498

Cardiac life support, improved, call to study (editorial), 84
Cardiac pacing, external, see cardiac pacing, transcutaneous
myocardial injury from, 108

noninvasive, see cardiac pacing, transcutaneous

transcutaneous, pathological aspects of, 108

use in asystole of, 129

use in emergency department of, 129

transthoracic, immediate use in cardiac asystole of, 125 transthoracic percutaneous, approaches used in, 193

placement accuracy of pacing wires in, 193 success of electrical capture in, 193

Cardiac resuscitation, contributions of Joseph S. Redding to,

hypokalemia and, incidence and causes of, 503

review of development of, Joseph S. Redding's contribution to, 247

Cardiac rhythm, prediction of survival from thoracotomy using, 311

Cardiogenic shock, see shock, cardiogenic

Cardiopulmonary arrest, pre-hospital, 143

Cardiopulmonary resuscitation, see also Fifth Purdue Conference on CPR and Defibrillation

adequacy of, lactic acid as an indicator of, 120

arterial and venous blood gases in assessment of, 132

bystander-initiated, 114

cerebral blood flow in, 305

closed-chest, 305

complications of, gastric insufflation, 99 pulmonary edema, 137

coronary perfusion pressure during, 11

early initiation of, 114

fallacious arguments against research into, 461

gastric insufflation during, 99

house officers' retention of skills in, 31

importance of early initiation of, 114

interposed abdominal compressions and, animal models of and theoretical considerations in, 165

comparison with standard CPR of, 143

effect on cardiac resuscitation rates of, 143

effect on central arterial and venous pressures of, 156 emesis during, 143

optomization of, 165

interposed abdominal compressions and (editorial), 84

measurement of the effectiveness of, 11

micro, macro, and new (editorial), 260

National Conference on (editorial), 260

open-chest, 305

determination of efficacy of, 495

lactic acid levels during, 120

venous oxygen saturation during, 495 versus closed-chest techniques, 305

pediatric, animal model of, 305

performance by ambulance attendants (abstract), 257

pulmonary artery diastolic pressure during, 137

recertification in, 31

skills in, retention of (letter), 479

sudden cardiac death and, annotated bibliography of recent literature in, 485

use of epinephrine in, 285

Carter P, Common Hand Injuries and Infections (book review),

Catheter(s), central venous, flow rate(s) of, 403

pediatric, flow rate(s) of, 403

Cerebral edema, see edema, cerebral

Cerebral infarction, see infarction, cerebral

Cerebral resuscitation, calcium blockers in, 1 fallacious arguments against research into, 461

Cervical spinal cord, injury to, 340

asymptomatic (letter), 263

stability of, 340

treatment of, 340

Chernow B, Lake CR, The Pharmacologic approach to the Critically III Patient (book review), 175

Children, use of emergency department by, effect of season and weather on, 327

use of emergency departments in the 1970s by, 177

Cholecystitis, diabetes and gas gangrene with, 42

Choledocholithiasis, alkaline phosphatase in assessment of, 556

pre-opreative diagnosis of, 556

Clinical trials, controlled, essential elements of, 67 methods of randomization in, 467

Clonidine, use in treatment of narcotic withdrawal of, 456

Coagulopathy, rattlesnake bite causing, 227

Cocktail, gastrointestinal, see gastrointestinal cocktail

Cognitive impairment(s), recognition in emergency department of, 490

Colic, renal, emergency evaluation and management of, 56 excretory urography and, 56

Coma, trivial triazolam overdose causing, 210

Computed tomography, use in diagnosing cause of headache, 212

Contusion, myocardial (journal club), 586

Coronary artery, occlusion of, spontaneous ventricular fibrillation resulting from, 285

Coronary perfusion pressure, correlation with successful resuscitation of, 147

IAC-CPR and, 156

Corrosive(s), injury caused by, 412

CPR, see cardiopulmonary resuscitation

Critical care medicine, annotated bibliography of recent literature in, 266

physician education in (editorial), 569

training for emergency medicine residency graduates in, 531

Crotalus, envenomation by, 227

Cyanide, acute poisoning with, stroma-free methemoglobin solution as antidote for, 519

Cyanomethemoglobin, acute cyanide poisoning and, 519

Defibrillation, automatic external (editorial), 568 during cardiac surgery, 104 emphasis on (editorial), 174 epicardial, energy requirements for, 160 parietal pericardial defibrillation and, 160 pericardial, energy requirements for, 160 epicardial defibrillation and, 160 success rates of, 104 use in treatment of asystole of, 395 use of electrical countershock and epinephrine in, 285 using low energy, 104 Diabetes, gas gangrene and cholecystitis with, 42

greater risk of infection with, 42

Diagnostic Interview Schedule, use in emergency department of, 419

Diarrhea, induction of, drug clearance using, 182

Disaster(s), triage success during, 323 patient tracking cards in, 323

Dislocation(s), shoulder, simultaneous bilateral, anterior and posterior, 331

Dog-bite wounds, controversy over management of 83 initial management of, 19 prophylactic use of antibiotics in, 19

protocol for management of, 19

Dog(s), see under experimental animal(s) Downtime, lactic acidosis as a predictor of, 120

Drug overdose(s), use of activated charcoal in the treatment of (journal club), 280

Edema, cerebral, altitude causing, 217 pulmonary, altitude causing, 217 non-cardiogenic, salicylate-induced, 33 occurrence during cardiopulmonary resuscitation, 137 pulmonary vascular hemodynamics with, 137 salicylate-induced (letter), 481 salicylate-induced in children, 33

Education, emergency medical, 531 medical, American College of Emergency Physicians and (editorial), 368

American College of Emergency Physicians and (letter),

cardiopulmonary resuscitation and, 31

critical-care, 531

for EMT(s), 240

special requirements for emergency medical residency training (letter), 576

trauma center(s) and, 244

Eisenberg MS, Bergner L, Mallstrom AP, Sudden Cardiac Death in the Community (book review), 91

Electrical capture, success of percutaneous transthoracic pacing in achieving, 193

Electrical countershock, use in treatment of asystole of, 395 Electrodes, extrathoracic, artificial ventilation produced by,

Electroencephalograph, use in the assessment of neurological recovery in cardiac arrest, 150

Electroventilation, animal model of, 337

Embolism, paradoxical, renal infarction caused by, 206 Emergency center(s), freestanding, cost-containment and

(editorial), 259 emergency department(s) and (editorial), 259

emergency department(s) and (letter), 576 tertiary, in Japan, 252

Emergency department(s), effect of season and weather on pediatric use of, 327

freestanding emergency center(s) and (editorial), 259 freestanding emergency center(s) and (letter), 576

pediatric use in the 1970s of, 177 recreational softball injuries and, 199 psychiatric screening in, see under psychiatric screening toxicology screening and, 507 toxicology screening and (editorial), 573 Emergency medical services system, in United Kingdom, 561 Emergency medical system, in Belgium, 78 in Japan, 79 Emergency medical technician, see EMT

Emergency medicine, clinicians and research in (editorial), 88 controlled clinical trials in, 67 in Japan, overview of, 252 medical malpractice and (editorial), 571 physician education in (editorial), 569

requirements for residency training in (letter), 576 residency graduates in, critical-care training for, 531

EMT(s), training of, controversies in, 240 curriculum for, 240

Endotracheal tube, esophageal obturator airway efficiency and (letter), 260

use in pre-hospital setting of, 381 use in resuscitation of (letter), 482

Envenomation, rattlesnake, clinical presentation of, 227

EOA, see esophageal obturator airway Epiglottitis, see also Supraglottitis

occurrence and treatment in adult(s) of, 512, 543

recurrent episode in youth, 534 symptoms in adult(s) of, 534

Epinephrine, use in treatment of asystole of, 395 Erythrocytes, role in trauma resuscitation of, 358

Esophageal foreign bodies, removal in adults of, 64 Esophageal gastric tube airway, use in pre-hospital setting of,

use in resuscitation of (letter), 482

Esophageal obturator airway, endotracheal tube efficiency and (letter), 260

Esophagus, foreign bodies in, removal with Foley catheter of (letter), 371

ET tube, see endotracheal tube

Experimental animal(s), dog(s), abdominal counterpulsation CPR and, 99

artificial ventilation and, 337 cardiopulmonary arrest in, 120 cardiopulmonary resuscitation and, 132, 305

coronary perfusion pressure during CPR in, 147 drug clearance by diarrhea induction in, 182

effect of epinephrine on defibrillation in, 285 epicardial and pericardial fibrillation and, 160

neurological recovery with flunarizine in cardiac arrest of,

open-chest cardiopulmonary resuscitation and, 495 transcutaneous cardiac pacing and, 108

rat(s), acute cyanide poisoning and, 519 stroma-free methemoglobin solution and, 519

use in studies of IAC-CPR of, 165

External cardiac pacing, see cardiac pacing, transcutaneous

FEC(s), see emergency center(s), freestanding Fibrillation, ventricular, see ventricular fibrillation Fifth Purdue Conference on CPR and Defibrillation,

impressions from (editorial), 174 lessons from (editorial), 171

Proceedings of, 99-170

Fischl index, use in emergency department of, 74 Flatt AE, Care of Minor Hand Injuries (4th ed.) (book review),

277

Flomenbaum N, Goldfrank L (eds), Diagnostic Testing in the Emergency Department (book review), 379

Fluid resuscitation, catheter flow rate(s) in, 403 hypothermia, heating of fluids in, 316

Fluid(s), intravenous, heating with microwave of, 316

Flunarizine, neurological recovery from cardiac arrest with,

Foley catheter, removal of esophageal foreign bodies with, 64,

Foreign bodies, esophageal, removal with Foley catheter of, 64. 371

Fracture(s), cervical, spinal cord injury and, 340 osteogenesis imperfecta causing, 321

Freestanding emergency center(s), see emergency center(s), freestanding

Gas gangrene, bacteria causing, 42 diabetes and cholecystitis with, 42

Gastric insufflation, abdominal counterpulsation in cardiopulmonary resuscitation and, 99

Gastrointestinal cocktail, relief of myocardial ischemia pain with, 208

General Health Questionnaire, use in screening emergency patients, 400, 419

Hand-to-mouth behavior, accidental ingestion(s) caused by,

Headache, causes of, 212

Heat, topical, complications in pediatric use of, 38

Hemodynamics, pulmonary vascular, rapid change during cardiopulmonary resuscitation in, 137 values during cardiopulmonary resuscitation of, 11

Hemorrhage, intracranial, in pregnancy (abstract), 258 Hospital, urban community, emergency thoracotomy in, 311 Hot packs, rewarming of hypothermia patients with (letter),

temperatures produced by, 38

Hyperglycemia, theophylline overdose causing, 408 Hypertension, acute, nifedipine in treatment of, 524 possible role in headache in elderly patient, 212

Hypokalemia, incidence and causes of, cardiac resuscitation and, 503

theophylline overdose causing, 408

Hyponatremia, seizures in psychiatric patients caused by, 451

Hypothermia, J waves in patients with, 50

pediatric, hot-pack application in, 38

penetrating trauma and, 48

resuscitation of trauma victim with, 48

therapy for, heating of intravenous fluids in, 316

use of hot packs in (letter), 371

Hypoxia, altitude causing, 217

IAC-CPR, see interposed abdominal compressions Impaction, esophageal, 64

Infarction, cerebral, headache in an elderly patient caused by, 212

myocardial, gastrointestinal cocktail in the relief of pain from. 208

renal, difficulty in diagnosis of, 206

paradoxical embolism as a cause of, 206

Inferior vena cava, laceration following blunt trauma of, 27 Infusion pressure, intravenous flow rates and, 187

Ingestion(s), accidental, increased lead absorption in children with, 301

Injury, arterial, traumatic (abstract), 366

caustic, household ammonia causing, 320

corrosive, oven-cleaner pads causing, 412

Interposed abdominal compressions, cardiopulmonary resuscitation and, gastric insufflation during, 99

Intravenous infusion, effect of large-bore tubing and high infusion pressure on rate of, 187

high flow rates in (letter), 484

Intubation, nasotracheal, use in supraglottitis of, 512 orotracheal, comparison of paramedic training techniques in (letter), 575

tracheal, pre-hospital use of, 381

Intussusception, review of pediatric cases of (abstract), 474 Ischemia, myocardial, effect of epinephrine on, 285 use of gastrointestinal cocktail for pain of, 208

Israel, mobile intensive care units in, 15

Japan, acute medicine in, 364 emergency medical system in, 79, 252, 364 tertiary emergency care in, 252

Japanese Association for Acute Medicine, overview of, 364 Japanese Journal of Acute Medicine, abstracts from, 257, 366,

Kidney, infarction of, paradoxical embolism causing, 206 Kuland DN, The Injured Athlete (book review), 277

Lactic acid, see under acid

Lavage, gastrointestinal, use in poisoning of, 182

Lead, poisoning with, increased incidence in children with accidental ingestions, 301

Lesion(s), ulceroglandular, tularemia causing, 415 Levothyroxine, ingestion by children of, 297

Magen David Adom, 15

Medical education, see education, medical

Medical literature, toxicology (annotated bibliography), 579

Medical malpractice, emergency medicine and (editorial), 571

Methadone, use in treatment of narcotic withdrawal of, 456 Methanol poisoning, complications in, 24

Methemoglobin, stroma-free solution of, acute cyanide

poisoning and, 519

Microwave, use in heating intravenous fluid(s), 316

MICU, see mobile intensive care unit

Mid-Anglia General Practitioner Accident Service (MAGPAS),

Mini-Mental State examination, use in screening emergency patients, 400

Mobile intensive care units, physician-staffed, 15 editorial on, 81 letter on, 372

Mountain sickness, review of, 217

Myocardial contusion, see contusion, myocardial Myocardial infarction, see infarction, myocardial

Narcotic withdrawal, see withdrawal, narcotic

Near-drowning, intracranial pressure monitoring after (abstract), 366

Neurological cord syndromes, acute cervical spinal cord injury

Neurological monitoring, multidimensional system for (abstract), 257

Neurological recovery, cardiac arrest and, role of flunarizine in, 150

Neurological status, alteration of, transient global amnesia,

Newmeyer WL, Primary Care of Hand Injuries (book review),

Nifedipine, treatment of acute hypertension with, 524

Obstruction, biliary, alkaline phosphatase and, 556 O'Donoghue DH, Treatment of Injuries to Athletes (book review), 277

Open-chest cardiac massage (editorial), 84

Osteogenesis imperfecta, diagnosis of fractures caused by,

Oven-cleaner pads, corrosive injury caused by, 412

Overdose, coma resulting from, 210

levothyroxine, study of pediatric cases of, 297

theophylline, 386

theophylline (editorial), 475

acidosis, hyperglycemia, and hypokalemia caused by, 408 triazolam, 210

Oxygen monitoring, conjunctival, use in atrial flutter of, 541 Oxygen saturation, central venous versus mixed venous, during cardiopulmonary resuscitation, 495

Pacemaker, transthoracic, see also cardiac pacing, transthoracic

placement accuracy of (letter), 577

Pacing, cardiac, see cardiac pacing

Paradoxical embolism, see embolism, paradoxical

Paramedic(s), intubation training techniques for (letter), 575 response time in cardiac arrest, acidosis and, 498

Partial pressure of carbon dioxide, use as an index of coronary perfusion pressure, 147

Patient tracking cards, use in triage during disaster(s) of, 323 P<sub>CO2</sub>, see partial pressure of carbon dioxide

Pediatrics, occult bacteremia, effect of antipyretic therapy in,

Philadelphia Examiners, Oral Board Review: Emergiscript and Emergitape (book review), 379

Phosphatase, alkaline, see alkaline phosphatase

Poisoning, see also toxicity

American Association of Poison Control Centers annual report on, 423

cyanide, antidote for, 519

diagnosis in emergency department(s) of, 507

lead, incidence in victims of accidental ingestion, 301

levothyroxine, pediatric, 297

theophylline (editorial), 475

toxicology screening in emergency department(s) and, 507 use of diarrhea induction in, 182

Potassium, levels in cardiac resuscitation of, 503

Practitioner(s), general, emergency medical services system in United Kingdom and, 561

Pregnancy, seizure(s) during, cerebral venous thrombosis causing, 551

Pre-hospital care, role of physicians in, 15

Pressure, central arterial, effect of IAC-CPR on, 156 central venous, effect of IAC-CPR on, 156

coronary perfusion, see coronary perfusion pressure

Pseudohyponatremia, distinction of hyponatremia from, 236 pathogenesis of, 236

Psychiatric patient(s), seizures in, 451

Psychiatric screening, use in emergency department of (editorial), 476

Psychological symptom(s), recognition in emergency department of, 400, 419

Public health, botulism outbreak and, 203 Pulmonary edema, see edema, pulmonary

Rabbit fever, see tularemia Randomization, methods used in controlled clinical trials, 467 Rat(s), see under experimental animal(s) Rattlesnake, death caused by bite of, 227

Recreation, softball, injuries seen in the emergency department associated with, 199

Redding, Joseph S., contributions to cardiac resuscitation by,

Renal colic, see under colic

Renal failure, myoglobinuric, 24

Renal infarction, see infarction, renal

Rescue Training Associates Ltd., Action Guide for Emergency Service Personnel (book review), 585

Research, design and methodology, in emergency medicine, 67

management and planning in, 360

resuscitative, fallacious arguments against, 461

writing a scientific paper prior to, 360

Respiration, artificial, see ventilation, artificial Resuscitation, cardiac, see cardiac resuscitation

Resuscitation, cardiopulmonary, see cardiopulmonary resuscitation

Resuscitation, cerebral, see cerebral resuscitation

Resuscitation, efficacy of, acidosis as determinant of, 498

intravenous flow rates in, 187

research into, fallacious arguments against, 461

trauma, use of whole blood in, 358

use of endotracheal tube and esophageal gastric tube airway in, 381

ventilatory volumes delivered by different techniques during, 292

Rhabdomyolysis, 24

Rivers CS, Preparing for the Oral Board Exam in Emergency Medicine (book review), 379

Salicylate(s), induction of pulmonary edema by (letter), 481 Salicylate intoxication, pediatric pulmonary edema resulting from, 33

treatment of, 33

Screening, psychiatric, emergency department use of, 419 Season(s), impact on pediatric emergency department use of,

Second International Urban EMS Conference, review of, 564 Seizure(s), in psychiatric patients, metabolic disturbances causing, 451

occurrence during pregnancy of, 551

Shock, cardiogenic, calcium-channel and beta blockers associated with, 334

reversal with intravenous calcium chloride of, 334 septic, role of urinary tripsin inhibitor in (abstract), 366

Shoulder(s), dislocation of, simultaneous bilateral, 331 Sodium, measurement of serum levels in pseudohyponatremia

of, 236 Softball, injuries seen in the emergency department

associated with, 199

Soper RG, MacDonald SC, Copass MK, et al, EMT Manual (book review), 275

Spinal cord, cervical, see cervical spinal cord

Sports, softball, injuries caused by, 199

Stroma-free methemoglobin, see under methemoglobin

Sudden cardiac death, cardiopulmonary resuscitation and, 114 annotated bibliography of recent literature in, 485 Supraglottitis, occurrence in adult(s) of, 512

Syphilis, tertiary, cerebral infarction and, 212

Tachycardia, ventricular, see ventricular tachycardia Theophylline, overdose with, acute versus chronic, 386 toxicity from (editorial), 475 Thermal injury, pediatric, hot packs and, 38

Thoracotomy, emergency, initial cardiac rhythm and, 311 prognostic factors and, 311 survival of, 311

Thrombosis, cerebral venous, seizure(s) in pregnancy caused by, 551

Thyroid, overdose of, 297

Toxicology, acute cyanide poisoning, antidote for, 519
American Association of Poison Control Centers annual report, 423

annotated bibliography of recent literature in, 579 screening for, diagnosis in emergency department using, 507

emergency department use of (editorial), 573

Toxicity, theophylline causing, 386, 408

Transcutaneous cardiac pacing, see under cardiac pacing

Transient global amnesia, see amnesia, transient global

Transthoracic cardiac pacing, see under cardiac pacing

Trauma, annotated bibliography of the recent literature in, 374

inferior vena caval, treatment of, 27

penetrating, hypothermia and, 48

resuscitation from, use of whole blood in, 358

thoracic, indications for angiography in (journal club), 92

Trauma center(s), organization and operation of, 244

Triage, success during disaster(s) of, 323 Tularemia, description of, 415 Type A botulism, see botulism, type A

United Kingdom, Mid-Anglia General Practitioner Accident Service and, 561 Ureteral obstruction, 56 Urinalysis, clean-catch versus straight-catheter results in women (letter), 369
Urolithiasis, 56

Vascular injuries, inferior vena caval, 27
Ventilation, artificial, see also electroventilation
bag-valve-mask technique, 292
efficacy of, 498
extrathoracic electrodes producing, 337
mouth-to-mask technique, 292
mouth-to-mouth technique, 292
high frequency jet, effect on lung mechanics of (abstract),
258

percutaneous transcricothyroid membrane jet (abstract), 474 Ventilatory volume(s), comparison of ventilatory techniques in producing, 292 Ventricular fibrillation, blood gases during recovery from, 132

correction of, see defibrillation
hypothermia and, 48
ischemic, effect of epinephrine care sprillation of, 285
use of direct current shocks in, 10Ventricular tachycardia, verapamil in treatment of, 536
Verapamil, see also calcium blockers
use in treatment of tachycardia of, 536

Weather, impact on pediatric emergency department use of, 327
Whole blood, use in trauma resuscitation of, 358

Volume, tidal, measurement during artificial ventilation of, 337

Withdrawal, narcotic, emergency department therapies for, 456

Writing, medical, techniques for, 360







# Contents VOLUME 3, 1985

## Number 1 • January 1985

ODICINAL	CONTRIBUTIONS	•

Neurological Recovery after Cardiac Arrest: Clinical Feasibility Trial of Calcium Blockers Alan C. Schwartz	1
Coronary Perfusion Pressure during Cardiopulmonary Resuscitation Arthur B. Sanders, Martin Ogle, Gordon A. Ewy	11
The Impact of a Physician-staffed Mobile Intensive Care Unit David Applebaum	15
The Use of Antibiotics in the Initial Management of Recent Dog-bite Wounds Robert A. Rosen	19
BRIEF REPORTS	
Methanol Poisoning Complicated by Myoglobinuric Renal Failure Steven Grufferman, Deborah Morris, Jose Alvarez	24
Extensive Isolated Inferior Vena Caval Injury Following Blunt Trauma John M. Wogan, Susan H. Early, Carl Soderstrom	27
The Effect of Time Since Training on House Officers' Retention of Cardiopulmonary Resuscitation Skills Mary E. Mancini, William Kaye	31
Salicylate-induced Pulmonary Edema: Clinical Characteristics in Children Charles J. Fisher, Timothy E. Albertson, Garrett E. Foulke	33
Thermal Injury Caused by Hot Pack Application in Hypothermic Children Kenneth W. Feldman, Jeffrey P. Morray, Robert T. Schaller	38
Gas Gangrene, Diabetes, and Cholecystitis Gabriel Mayer, Rodney Kang	42
Clinically Significant Methemoglobinemia from Inhalation of Isobutyl Nitrite David A. Guss, Sven A. Normann, Anthony Managuerra	46
CLINICOPATHOLOGICAL CASE CONFERENCE	
Trauma and Hypothermia Randall Best, Scott Syverud, Richard M. Nowak	48
REVIEW	
Renal Colic: Emergency Evaluation and Management Jason C. Abber, Jack W. McAninch	56
THERAPEUTICS	
Removal of Esophageal Foreign Bodies Using a Foley Catheter in Adults Sergio Ginaldi	64
RESEARCH SEMINARS	
Controlled Clinical Trials in Emergency Medicine Charles G. Brown, Michael Moser, Melvin Moeschberger, Gabor D. Kelen	67
CONTROVERSIES	
	-

The Acute Asthmatic in the Emergency Department: The Decision to Admit or Discharge	Barry	74
F Rrenner		

#### INTERNATIONAL NOTES

Emergency Hospital Infrastructure in Belgium R. Askenasi 78

The Emergency Medical System in Japan Toshiharu Yoshioka, Tsuyoshi Sugimoto 79

#### **EDITORIALS**

- Physician-staffed Mobile ICUs Bruce M. Thompson 81
- Calcium Blockers after Cardiac Arrest: History Repeats Itself Norman Abramson 82
- Dog Bites: The Controversy Continues Charles G. Brown, James J. Ashton 83
- A Call to Study Improved Cardiac Life Support Charles F. Babbs, Blaine C. White
- Clinicians and Research J. Douglas White 88

89

## CONSULTING REVIEWERS

THE LITERATURE OF EMERGENCY MEDICINE

- Book Reviews 90
- Journal Club: Indications for Angiography in Thoracic Trauma Howard A. Werman, Kendel G. 92
  Kidwell, Douglas A. Rund

### Number 2 • March 1985

#### PROCEEDINGS OF THE FIFTH PURDUE CONFERENCE ON CPR AND DEFIBRILLATION

#### **ORIGINAL CONTRIBUTIONS**

- Gastric Insufflation during IAC-CPR and Standard CPR in a Canine Model Charles F. Babbs, William E. Schoenlein, Mark W. Lowe
- Low-energy Defibrillation: Safe and Effective Carol T. Lake, T. Duncan Sellers, Stanton P.

  Nolan, Ivan K. Crosby, H. A. Wellons, Richard S. Crampton
- Pathological Aspects of Transcutaneous Cardiac Pacing Elizabeth J. Kicklighter, Scott A.

  Syverud, William C. Dalsey, Jerris R. Hedges, Johanna M. Van Der Bel-Kahn
- Survival of Out-of-hospital Cardiac Arrest with Early Initiation of Cardiopulmonary
  Resuscitation Richard O. Cummins, Mickey S. Eisenberg, Alfred P. Hallstrom, Paul E. Litwin
- Lactic Acidosis as a Predictor of Downtime during Cardiopulmonary Arrest in Dogs Donna L.

  Carden, Gerard B. Martin, Richard M. Nowak, Craig C. Foreback, Michael C. Tomlanovich
- Immediate Transthoracic Pacing for Cardiac Asystole in an Emergency Department Setting J. 125 Douglas White, Charles G. Brown
- External Cardiac Pacing for Out-of-hospital Bradyasystolic Arrest Carin M. Olson, Michael S.

  Jastremski, Rodney W. Smith, Gary J. Tyndall, Gregory F. Montgomery, Mary C. Daye
- Venous and Arterial Blood Gases during and after Cardiopulmonary Resuscitation in

  Dogs Sandra H. Ralston, William D. Voorhees, Lee Showen, Peter Schmitz, Constantina

  Kougias, Willis A. Tacker
- Rapid Change in Pulmonary Vascular Hemodynamics with Pulmonary Edema during
  Cardiopulmonary Resuscitation Joseph P. Ornato, Timothy W. Ryschon, Edgar R. Gonzalez,
  Jan L. Bredthauer
- Pre-hospital IAC-CPR versus Standard CPR: Paramedic Resuscitation of Cardiac Arrests James

  R. Mateer, Harlan L. Stueven, Bruce M. Thompson, Charles Aprahamian, Joseph C. Darin

Expired P <sub>CO2</sub> as an Index of Coronary Perfusion Pressure Arthur B. Sanders, Matthew Atlas, Gordon A. Ewy, Karl B. Kern, Steven Bragg		
Improved Short-term Neurological Recovery with Flunarizine in a Canine Model of Cardiac Arrest H. L. Edmonds, Jr., A. Wauquier, W. Melis, W. A. E. Van den Broeck, J. Van Loon, P. A. J. Janssen	150	
Effect of Interposed Abdominal Compression during CPR on Central Arterial and Venous Pressures John L. McDonald	156	
Epicardial versus Parietal Pericardial Defibrillation Leo Rubin, P. Hudson	160	
RESEARCH SEMINARS		
Abdominal Counterpulsation in Cardiopulmonary Resuscitation: Animal Models and Theoretical Considerations Charles F. Babbs	165	
EDITORIALS		
Cardiac Arrest: Lessons From the Fifth Purdue Conference Richard O. Cummins	171	
Impressions from the Fifth Purdue Conference: It's Time to Re-emphasize Defibrillation W. A. Tacker, Charles F. Babbs	174	
THE LITERATURE OF EMERGENCY MEDICINE		
Book Reviews	175	
Number 3 ● May 1985		
ORIGINAL CONTRIBUTIONS		
Pediatric Emergency Department Utilization in the 1970s Katherine K. Christoffel, Daniel Garside, Thomas Tokich	177	
Drug Clearance by Diarrhea Induction Robert S. Porter, E. B. Baker	182	
Effects of High Infusion Pressure and Large-bore Tubing on Intravenous Flow Rates James R. Mateer, Bruce M. Thompson, John Tucker, Charles Aprahamian, Joseph C. Darin		
Temperature Response to Antipyretic Therapy in Children: Relationship to Occult Bacteremia Susan B. Torrey, Fred Henretig, Gary Fleisher, Richard M. Goldstein, Anthony Ardire, Stephen Ludwig, Richard Ruddy	190	
Placement Accuracy of Percutaneous Transthoracic Pacemakers Charles G. Brown, Grover M. Hutchins, Hubert T. Gurley, J. Douglas White, Ellen J. MacKenzie	193	
BRIEF REPORTS		
Recreational Softball Injuries Robert Shesser, Mark Smith, Percita Ellis, Susan Brett, John E. Ott	199	
Emergency Department Presentation of Type A Botulism John C. Ruthman, David K. Hendricksen, Robert Bonefeld	203	
Renal Infarction Caused by Paradoxical Embolism A. G. Herbaut, P. Mahieux, E. Contu, R. J. Kahn, R. Askenasi	206	
Relief of Myocardial Ischemia Pain with a Gastrointestinal Cocktail Ronald Servi, John J. Skiendzielewski	208	
Coma Caused by Trivial Triazolam Overdose Kent R. Olson, Loretta Yin, John Osterloh, Alan Tani	210	

CLINICOPATHOLOGICAL CASE CONFEHENCE	
Headache in an Elderly Woman Stanley L. Cohan, James D'Orta, J. Douglas White, D. Bodkin	212
REVIEW	
Altitude-related Illness Garrett E. Foulke	217
TOXICOLOGY ROUNDS	
Death from a Rattlesnake Bite Steven C. Curry, Donald B. Kunkel	227
DIAGNOSTICS	
Pseudohyponatremia T. C. Aw, F. L. Kiechle	236
CONTROVERSIES	
EMT Training for Medical Students Daniel Goodenberger, John R. Lumpkin, H. Arnold Muller, Alton I. Sutnik, Walt A. Stoy	240
Trauma Center Organization and Operation in Academic Health Centers T. Albert Farmer, Jr.	244
RESEARCH SEMINARS	
Joseph S. Redding's Contributions to Cardiac Resuscitation Sandra H. Ralston, Charles F. Babbs	247
INTERNATIONAL NOTES	
Tertiary Emergency Care in Japan Toshiharu Yoshioka, Tsuyoshi Sugimoto	252
International Abstracts	257
EDITORIALS	
Cost Containment: Freestanding Emergency Centers and the Emergency Department Philip S. Birnbaum	259
Cardiopulmonary Resuscitation: Micro, Macro, and New J. Douglas White	260
CORRESPONDENCE	
Comparative Ventilatory Efficiency of EOA and ET Tube T. A. Don Michael	261
"Asymptomatic" Cervical Injuries: A Myth? Cloyd B. Gatrell, James J. Walter, Peter E. Doris, Mark A. Shaffer, John B. McCabe, Mark G. Angelos	263
Esophageal Burns from Battery Ingestion J. F. Langkau, R. A. Noesges	265
THE LITERATURE OF EMERGENCY MEDICINE	
Critical Care Medicine: An Annotated Bibliography of the Recent Literature Garrett E. Foulke, Timothy Albertson, Charles J. Fisher	266
Book Reviews	275
Journal Club: Use of Activated Charcoal in the Treatment of Drug Overdoses Michael T. Kelley, Howard A. Werman, Douglas A. Rund	280
NOTICES	284

## Number 4 • July 1985

#### **ORIGINAL CONTRIBUTIONS**

- Effect of Epinephrine on Defibrillation in Ischemic Ventricular Fibrillation Charles W. Otto,
  Ronald W. Yakaitis, Gordon A. Ewy

  Ventilatory Volumes Using Mouth-to-mouth, Mouth-to-mask, and Bag-valve-mask
  Techniques Dean Hess, Constance Baran
- Levothyroxine Ingestions in Children: An Analysis of 78 Cases Toby L. Litovitz, J. Douglas 297 White
- Increased Lead Absorption in Children with Accidental Ingestions Lawrence D. Hammer,
  Stephen Ludwig, Fred Henretig

  301
- Open- versus Closed-chest Cardiac Compressions in a Canine Model of Pediatric
  Cardiopulmonary Resuscitation Gary Fleisher, Mayer Sagy, David B. Swedlow, Kumar Belani
- Emergency Thoracotomy in an Urban Community Hospital: Initial Cardiac Rhythm as a New Predictor of Survival Mark Brautigan, Gregory Tietz

#### **BRIEF REPORTS**

- Microwave Heating of Intravenous Fluids John S. Anshus, Gerald L. Endahl, J. Lawrence 316

  Mottley
- Caustic Injury from Household Ammonia Jonathon Klein, Kent R. Olson, Howard E. 320 McKinney
- Osteogenesis Imperfecta: The Missed Fracture Paul M. Adler 321
- Triage Success in Disasters: Dynamic Victim-tracking Cards Paul M. Paris, Ronald D. Stewart, Gregory H. Pelton, Gregory Porter, Anthony Sanzo
- Effect of Season and Weather on Pediatric Emergency Department Use Katherine K. 327
  Christoffel
- Simultaneous Bilateral Anterior and Posterior Shoulder Dislocations Tom P. Aufderheide, 331
  Ralph J. Frascone, James J. Cicero
- Cardiogenic Shock Associated with Calcium-channel and Beta Blockers: Reversal with
  Intravenous Calcium Chloride Mark Henry, Martin M. Kaye, Peter Viccellio
- Electroventilation L. A. Geddes, William D. Voorhees, Charles F. Babbs, J. A. Deford 337

#### DIAGNOSTICS

- Acute Cervical Spinal Cord Injury Jonathan Chilton, T. Forcht Dagi 340
- Transient Global Amnesia: Diagnosis in the Emergency Department Jeanne Basior, Stephen 352 Vogel, Joseph Mitton

#### CONTROVERSIES

Whole Blood in Trauma Resuscitations Kenneth V. Iserson 358

#### RESEARCH SEMINARS

Writing a Scientific Paper Prior to the Research Charles F. Babbs, Martha M. Tacker 360

#### INTERNATIONAL NOTES

The Japanese Association for Acute Medicine (JAAM) Toshiharu Yoshioka, Tsuyoshi Sugimoto 364

International Abstracts	366
EDITORIAL	
ACEP and Academics J. Douglas White	368
CORRESPONDENCE	
Clean-catch versus Straight-catheter Urinalysis Results in Women David A. Guss, James V. Dunford, Lee D. Griffith, Tom S. Neuman, William G. Baxt, Barbara Winger, Steven L. Gruber	369
Rewarming with Hot Packs Donald N. Cohen	371
Esophageal Foreign Body Extraction Louis S. Binder, Sergio Ginaldi	371
Physician-attended MICUs Paul E. Slater, Bruce M. Thompson	372
THE LITERATURE OF EMERGENCY MEDICINE	
Trauma: An Annotated Bibliography of the Recent Literature Charles J. McCabe	374
Book Reviews	379
Number 5 ● September 1985	
ORIGINAL CONTRIBUTIONS	
Pre-hospital Tracheal Intubation versus Esophageal Gastric Tube Airway Use: A Prospective Study Edward C. Geehr, Martin S. Bogetz, Paul S. Auerbach	381
Theophylline Overdose: Acute Single Ingestion versus Chronic Repeated Overmedication Kent R. Olson, Neal A. Benowitz, Olga F. Woo, Susan M. Pond	386
Treatment of Presumed Asystole during Pre-hospital Cardiac Arrest: Superiority of Electrical Countershock Joseph P. Ornato, Edgar R. Gonzales, Anthony R. Morkunas, Martha R. Coyne, Carol L. Beck	395
Recognition of Psychological and Cognitive Impairments in the Emergency Department Gary L. Litovitz, Mary Hedberg, Thomas N. Wise, J. Douglas White, Lee S. Mann	400
BRIEF REPORTS	
Pediatric Catheter Flow Rates Dee Hodge, III, Gary Fleisher	403
Hypokalemia, Hyperglycemia, and Acidosis after Intentional Theophylline Overdose William T. Sawyer, Martin Caravati, Mark J. Ellison, Karol A. Krueger	408
Oven Cleaner Pads: New Risk for Corrosive Injury Joseph Vilogi, Brent Whitehead, Steven M. Marcus	412
Tularemia: Emergency Department Presentation of an Infrequently Recognized Disease Robert E. Harrell, Jr., Gary R. Whitaker	415
Psychiatric Screening in the Emergency Department: Validation of the General Health Questionnaire Ira Gold, Lisa Haughey, Larry J. Baraff	419
TOXICOLOGY	
1984 Annual Report of the American Association of Poison Control Centers National Data Collection System Toby Litovitz, Joseph C. Veltri	423
DIAGNOSTICS	
Seizures in Psychiatric Patients Robert Shesser, Mark Smith	451

Narcotic Withdrawal in the Emergency Department Paul M. Freitas	456
CONTROVERSIES	
Fallacious Arguments Against Resuscitation Research Charles F. Babbs	461
RESEARCH SEMINARS	
Methods of Randomization in Controlled Clinical Trials Melvin L. Moeschberger, Jill A. Williams, Charles G. Brown	467
INTERNATIONAL NOTES	
International Abstracts	474
EDITORIALS	
Theophylline Poisoning Wendy Klein-Schwartz	475
Use of Psychiatric Screening Instruments in the ED Linda Gay Peterson, Lewis M. Cohen	476
CORRESPONDENCE	
Retention of CPR Skills Robert T. Kiskaddon, George L. Sternbach, Mary E. Mancini, William Kaye	479
Calcium Blockers in Neurological Recovery after Cardiac Arrest Larry J. Baraff, Alan C. Schwartz	480
Salicylate-induced Pulmonary Edema Peter Wald, David Wortzman, Dan Notterman, Charles J. Fisher, Timothy E. Albertson, Garrett E. Foulke	481
Airway Management in Resuscitation Charles G. Brown, Howard A. Werman, James Ashton, Douglas Rund, Stephen R. Shea, Jeffrey R. MacDonald, Ginger Gruzinski	482
High IV Infusion Flow Rates Steven J. Fried, Bhagwan Satiani, Paul Zeeb	484
THE LITERATURE OF EMERGENCY MEDICINE	
Cardiopulmonary Resuscitation and Sudden Cardiac Death: An Annotated Bibliography of the 1984 Literature Richard O. Cummins	485
Book Reviews	494
ERRATUM	494
Number 6 ● November 1985	
ORIGINAL CONTRIBUTIONS	
Central Venous and Mixed Venous Oxygen Saturation: Comparison During Canine Open-chest Cardiopulmonary Resuscitation Gerard B. Martin, Donna L. Carden, Richard M. Nowak, Michael C. Tomlanovich	495
Arterial pH in Out-of-hospital Cardiac Arrest: Response Time as a Determinant of Acidosis Joseph P. Ornato, Edgar R. Gonzalez, Martha R. Coyne, Carol L. Beck, Mark S. Collins	498
Incidence and Causes of Hypokalemia Associated with Cardiac Resuscitation Joseph P. Ornato, Edgar R. Gonzalez, Helen Starke, Anthony Morkunas, Martha R. Coyne, Carol L. Beck	503
Comprehensive Toxicology Screening in the Emergency Department: An Aid to Clinical Diagnosis Richard L. Taylor, Stanley L. Cohan, J. Douglas White	507

Adult Supraglottitis Thomas O. Stair, Barry E. Hirsch	512
Stroma-free Methemoglobin Solution: An Effective Antidote for Acute Cyanide Poisoning Raymond P. Ten Eyck, Arthur D. Schaerdel, William E. Ottinger	519
BRIEF REPORTS	
Nifedipine in the Management of Hypertensive Emergencies: Report of Two Cases and Review of the Literature Jeffrey A. Cohan, Leonard M. Checcio	524
Critical-care Training for Emergency Medicine Residency Graduates Daniel M. Goodenberger	531
Epiglottitis: A Recurrent Episode in a Youth Susan E. Swedo, Steven S. Lelyveld, Joseph R. Hageman	534
Verapamil in the Treatment of Ventricular Tachycardia George Sternbach, Michael Eliastam	536
Conjunctival Oxygen Monitoring in Atrial Flutter Sherman M. Podolsky, Kevin Waninger, John Wertheimer	541
Acute Epiglottitis in Adults Sharon E. Mace	543
CLINICOPATHOLOGICAL CASE CONFERENCE	
Seizures in Pregnancy Robert Shesser, Prudence Kline, Lyndon Goodwin	551
DIAGNOSTICS	
	FFC
Alkaline Phosphatase in the Assessment of Choledocholithiasis Before Surgery Frederick L. Kiechle, Michael S. Weisenfeld, Raymond E. Karcher, Emanuel Epstein	556
INTERNATIONAL NOTES	
Physicians at the Roadside: Pre-hospital Emergency Care in the United Kingdom Paul P. Silverston	561
The Second International Urban EMS Conference Alexander Kuehl, James T. Kerr, Jamie Fenwick	564
EDITORIALS	
Automatic External Defibrillation: Bringing It Home Mickey S. Eisenberg, Richard O. Cummins	568
Physician Education in Critical-care Medicine: A Continuum? Norman S. Abramson, Robert Levine, Peter Safar	569
Medical Malpractice and Emergency Medicine: The Crisis of the 1980s  Joseph Fastow	571
Utilization of Emergency Toxicology Screens Ken Kulig	573
CORRESPONDENCE	
Comparison of Paramedic Orotracheal Intubation Techniques David A. Guss, Karen Jones	575
Free-standing Emergency Centers and the ED Howard M. Henze, Philip Birnbaum	576
Special Requirements for Residency Training J. Ward Donovan	576
Placement of Transthoracic Pacemakers Charles G. Brown	577
ACEP and Academics Bradford L. Walters, Bruce D. Janiak, J. Douglas White	578
THE LITERATURE OF EMERGENCY MEDICINE	
Toxicology: An Annotated Bibliography of the Recent Literature Toby L. Litovitz, Kerry A.	579

Book Reviews		585
Journal Club: Myocardial Contusion	Richard N. Nelson, Robert Behrendt, Douglas A. Rund	586
NOTICES		592



